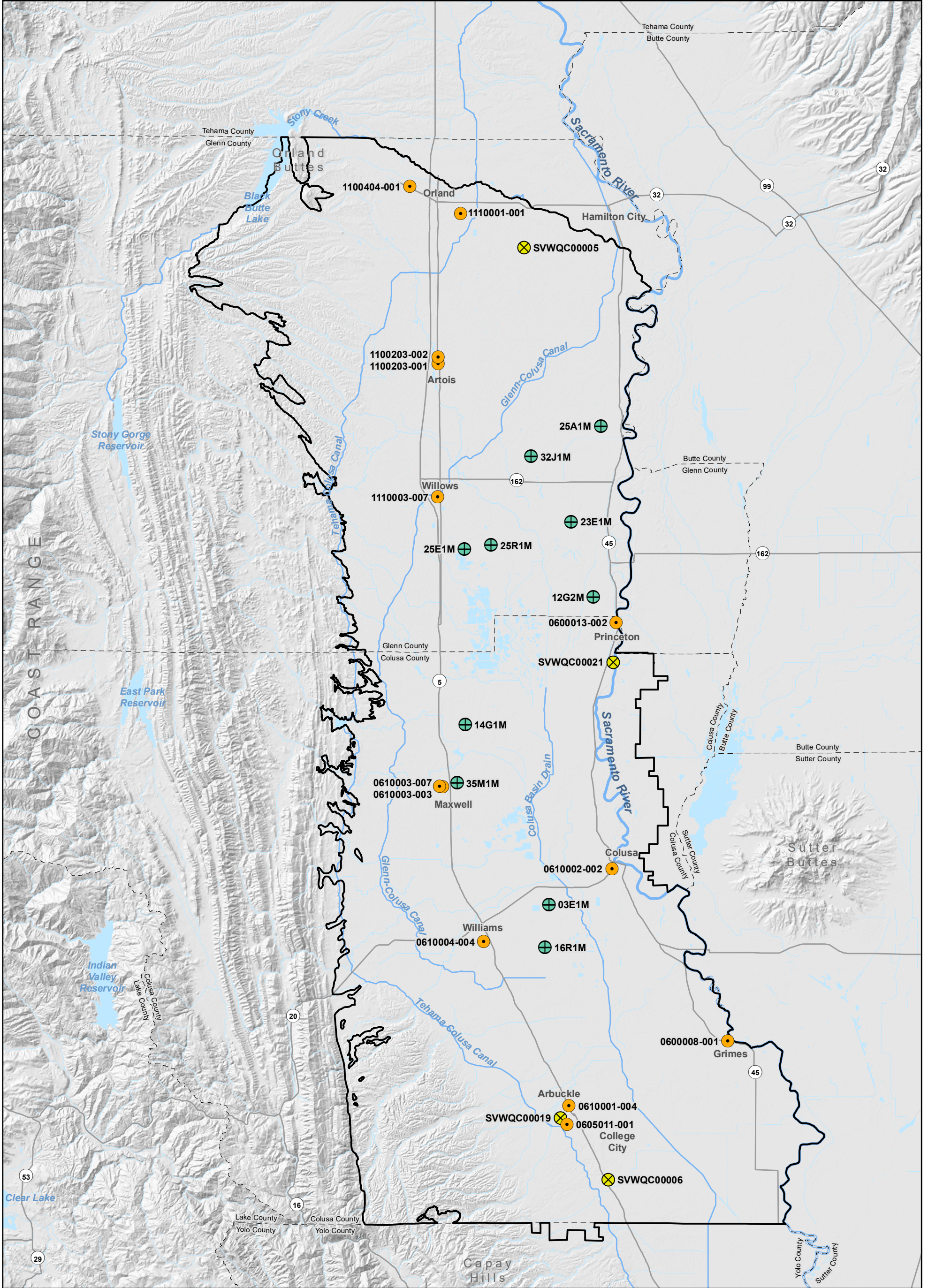






Electrical Conductivity Historical Trends, Minimum  
Thresholds and Measurable Objectives

DRAFT



-  Colusa Subbasin
-  Representative Public Water Supply Well
-  Representative California Rice Commission Groundwater Monitoring Well
-  Representative Sacramento Valley Water Quality Coalition Groundwater Monitoring Well

Horizontal Datum: North American Datum of 1983 (NAD 83), California State Plane Zone II, feet.

Note:

1. Only one well per public water agency will be included in the representative groundwater quality monitoring network. This map includes two potential wells for Artois Community Service District and two potential wells for Maxwell Public Utility District. One well from each of these agencies will be removed from the representative groundwater quality monitoring network in the final submitted GSP.

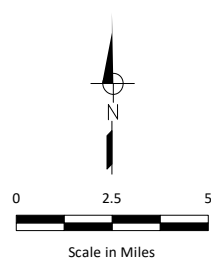


Figure 5C-1

**Groundwater Quality Monitoring Network**

**Colusa Groundwater Authority and Glenn Groundwater Authority**  
Colusa Subbasin Groundwater Sustainability Plan

Figure 5C-2. Electrical Conductivity: Del Oro Water Company - Black Butte District  
Well 1100404-001 (Well 1)

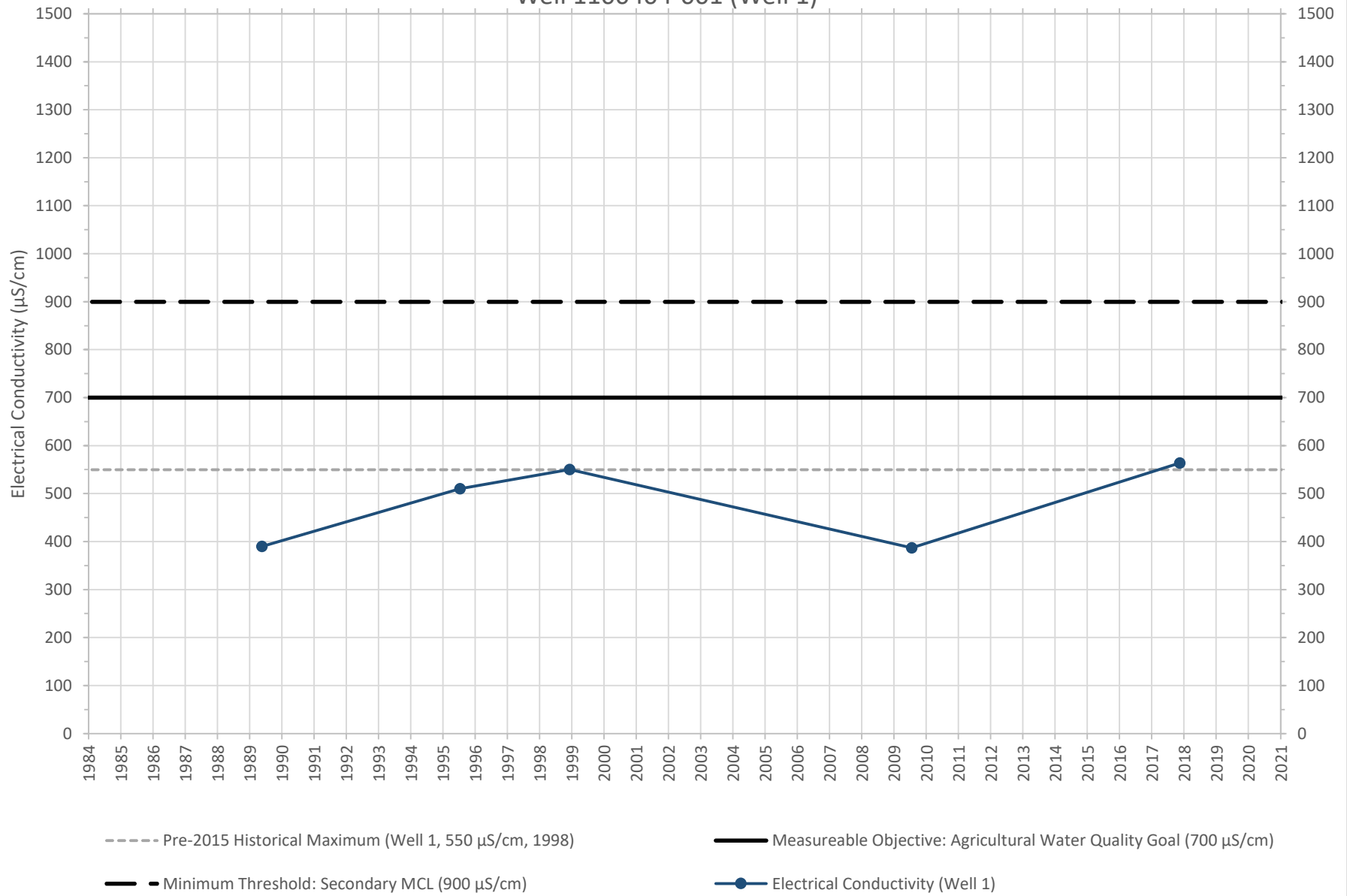


Figure 5C-3. Electrical Conductivity: City of Orland  
Well 1110001-001 (Lely Aquatic Park Well)

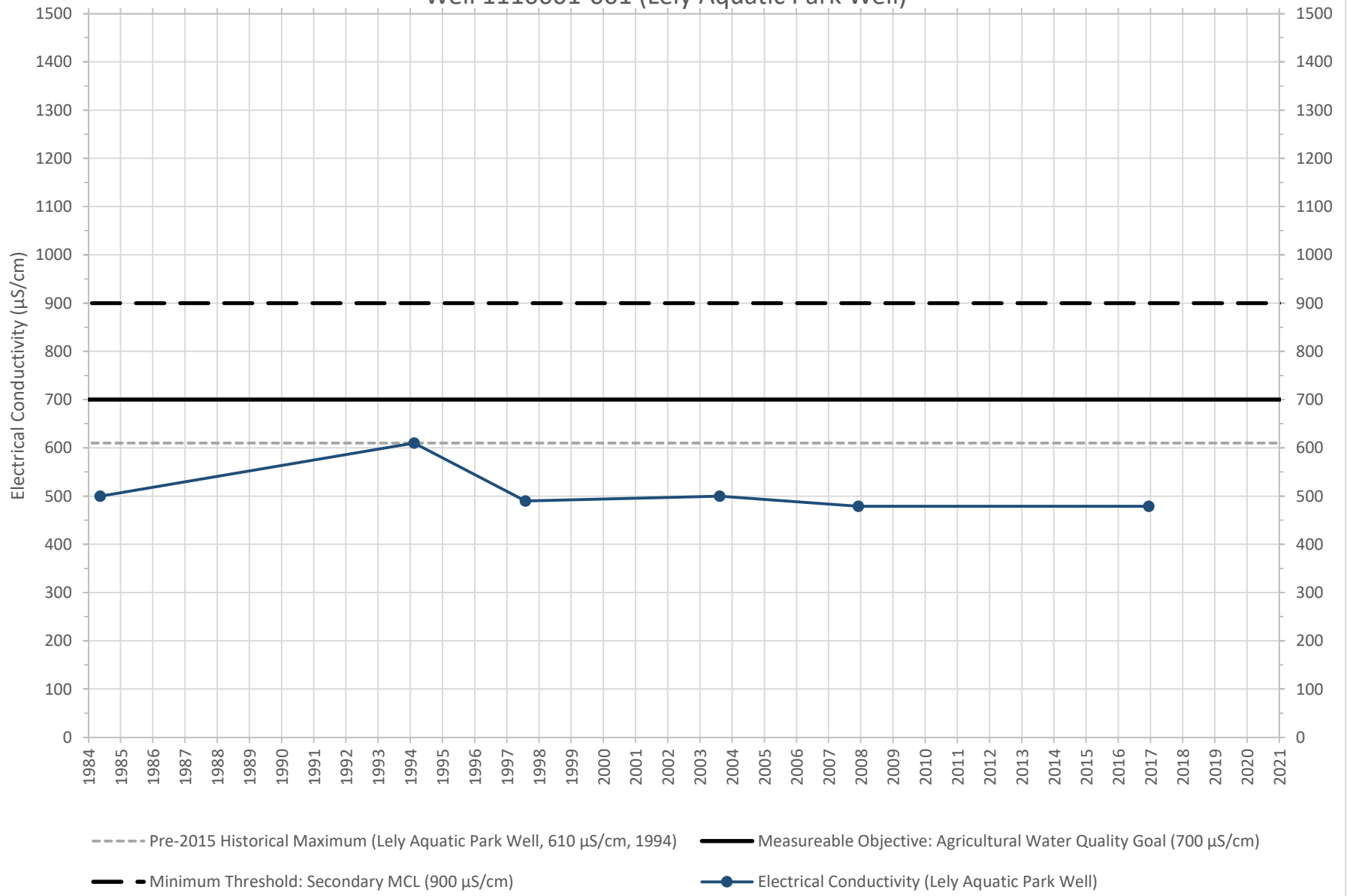


Figure 5C-4. Electrical Conductivity: Artois Community Service District  
Well 1100203-001 or 1100203-002 (Well 1 or North Well)

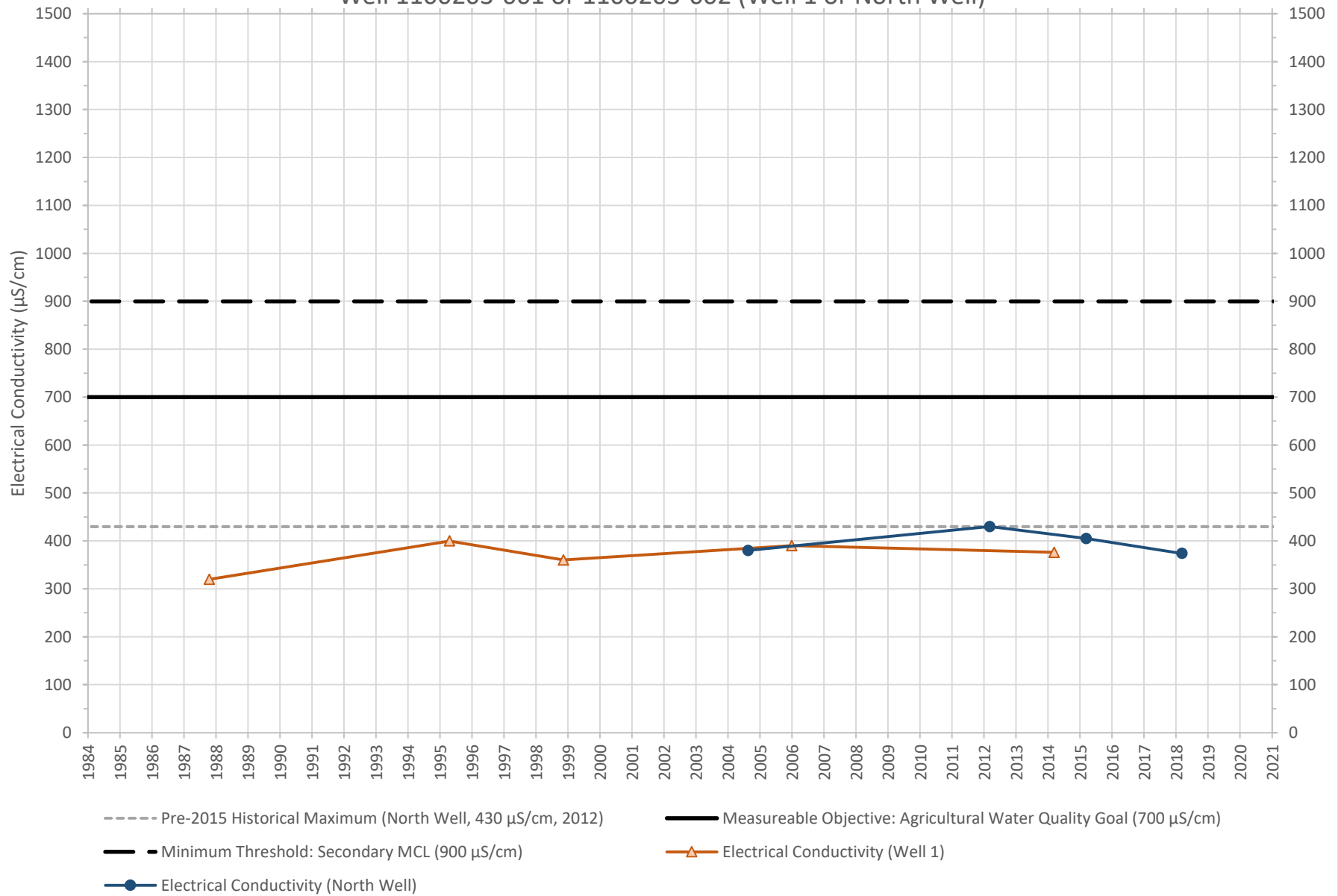


Figure 5C-5. Electrical Conductivity: Cal-Water Service Company - Willows  
Well 1110003-007 (Well 8)

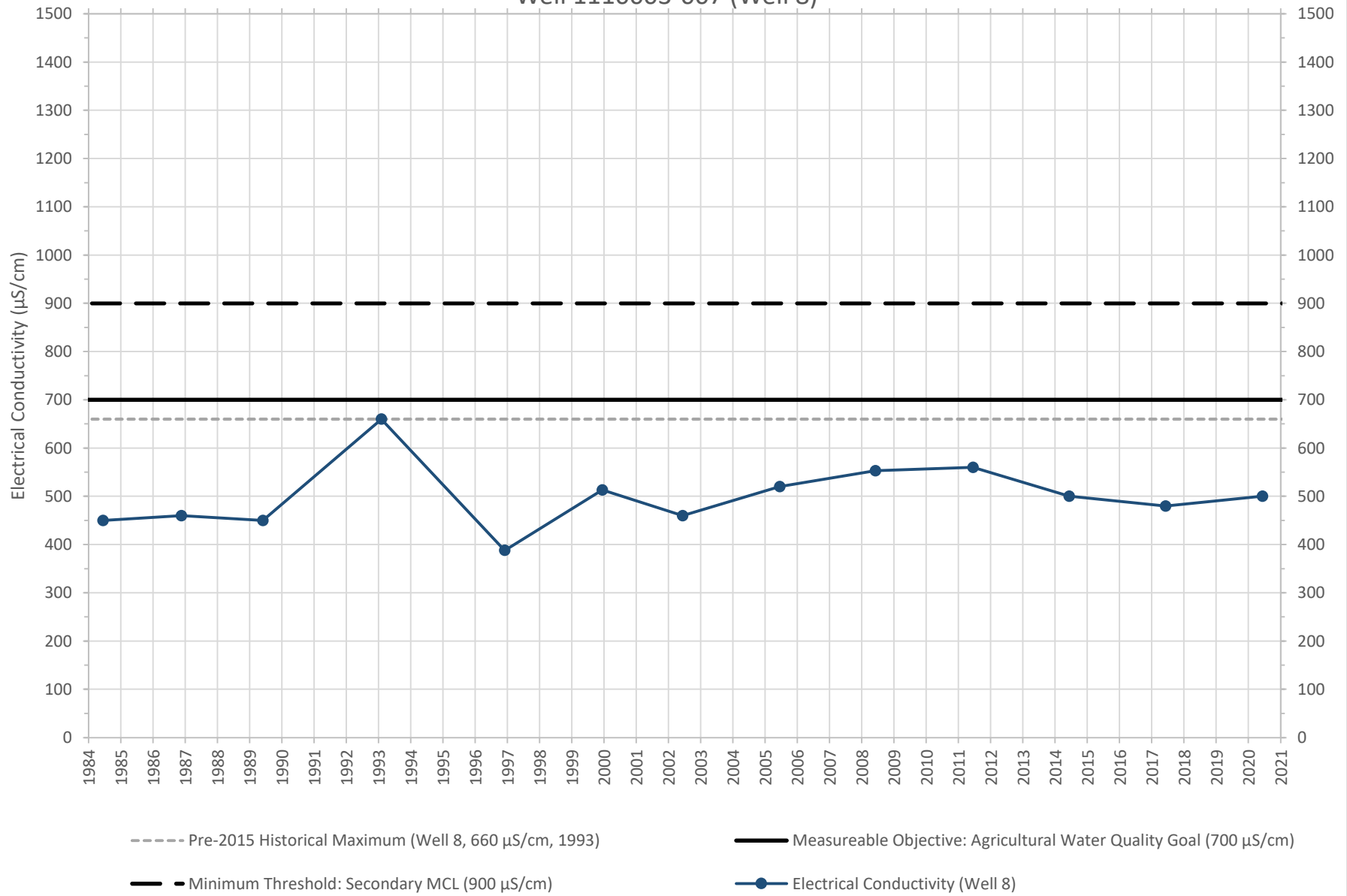


Figure 5C-6. Electrical Conductivity: Colusa County WWD #2 - Princeton  
Well 0600013-002 (Well 2)

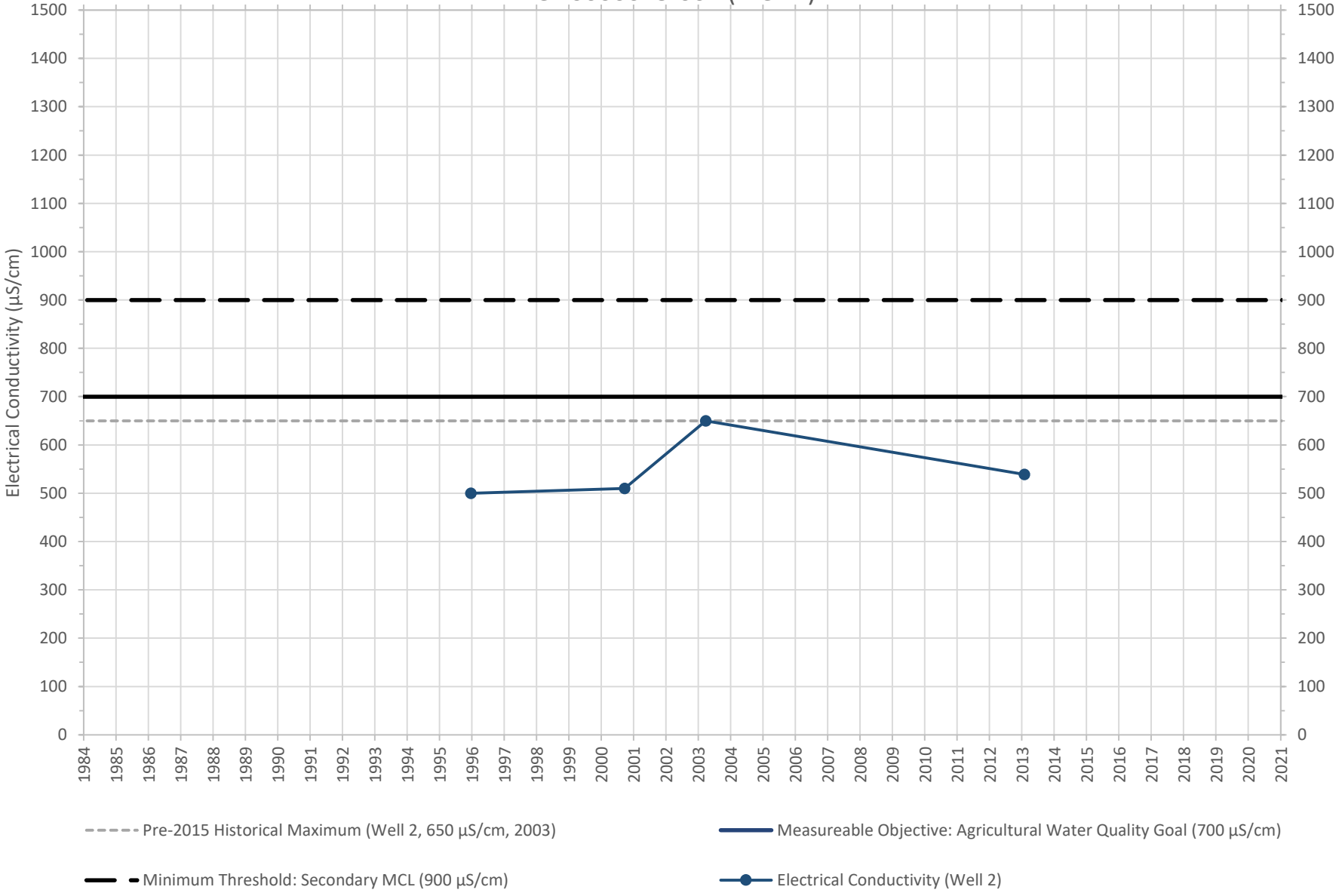


Figure 5C-7. Electrical Conductivity: Maxwell Public Utility District  
Well 0610003-003 or 0610003-007 (Well 4 or Well 6)

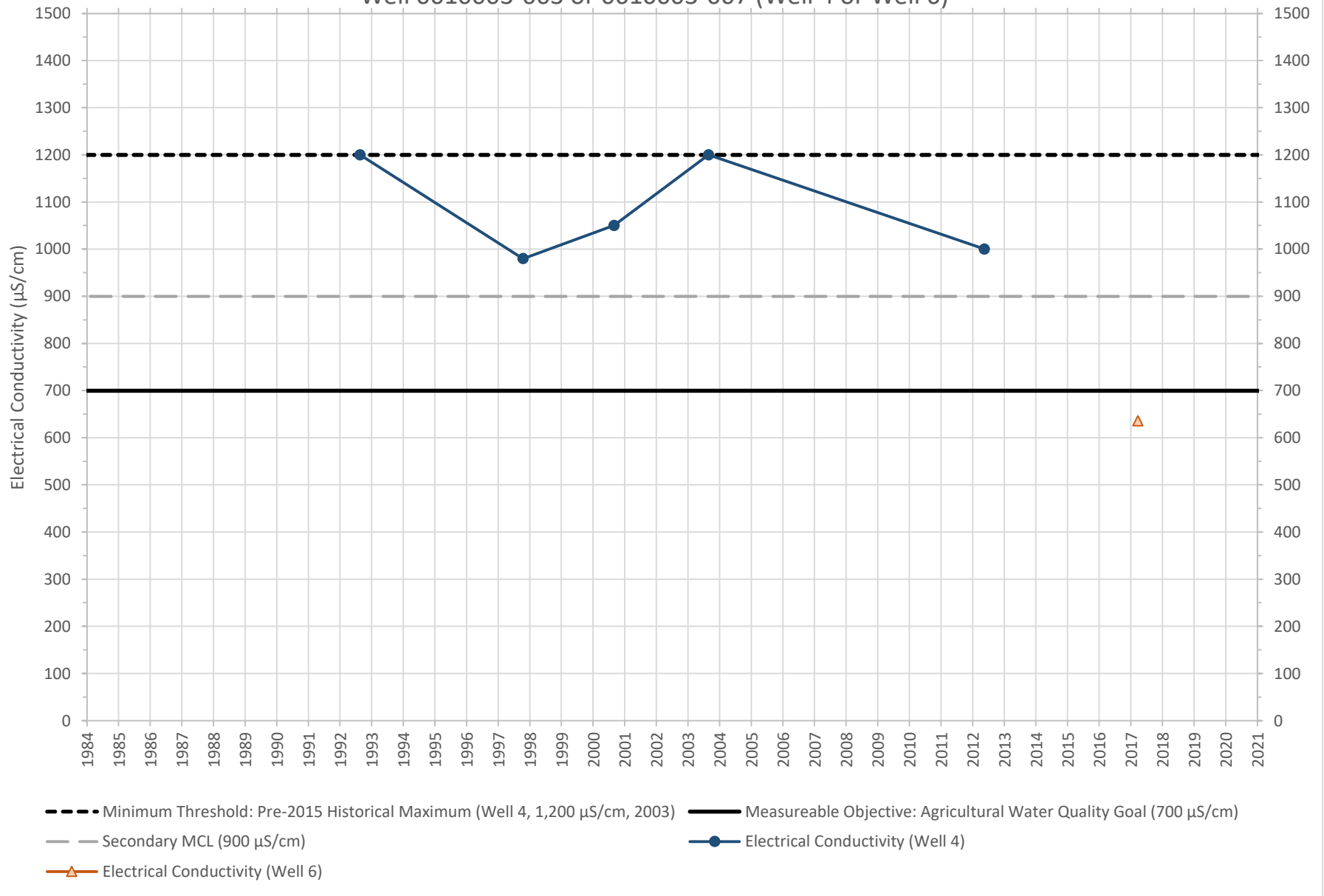




Figure 5C-8. Electrical Conductivity: City of Colusa  
Well 0610002-002 (Well 2)

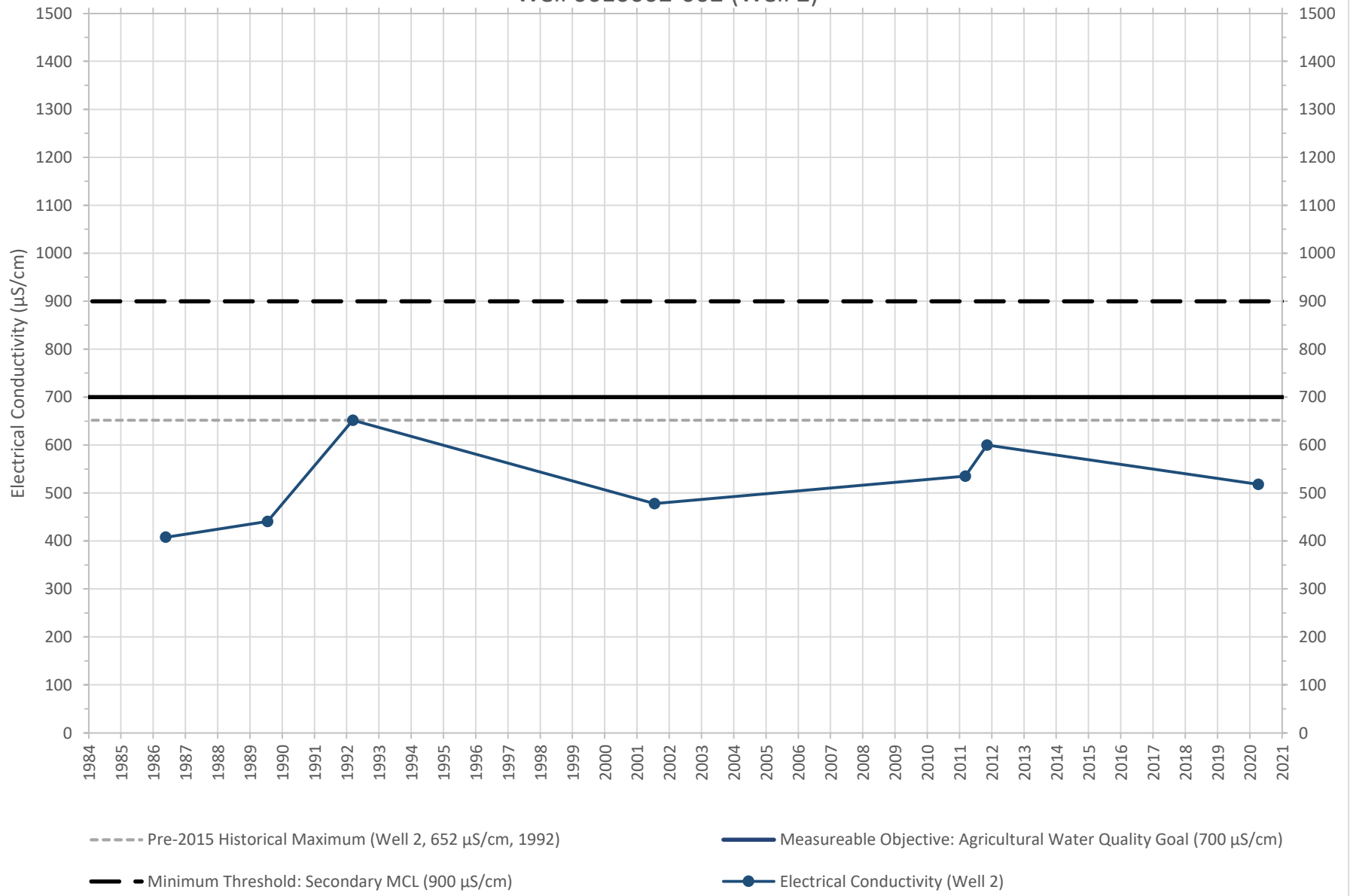


Figure 5C-9. Electrical Conductivity: City of Williams  
Well 0610004-004 (Well 8)

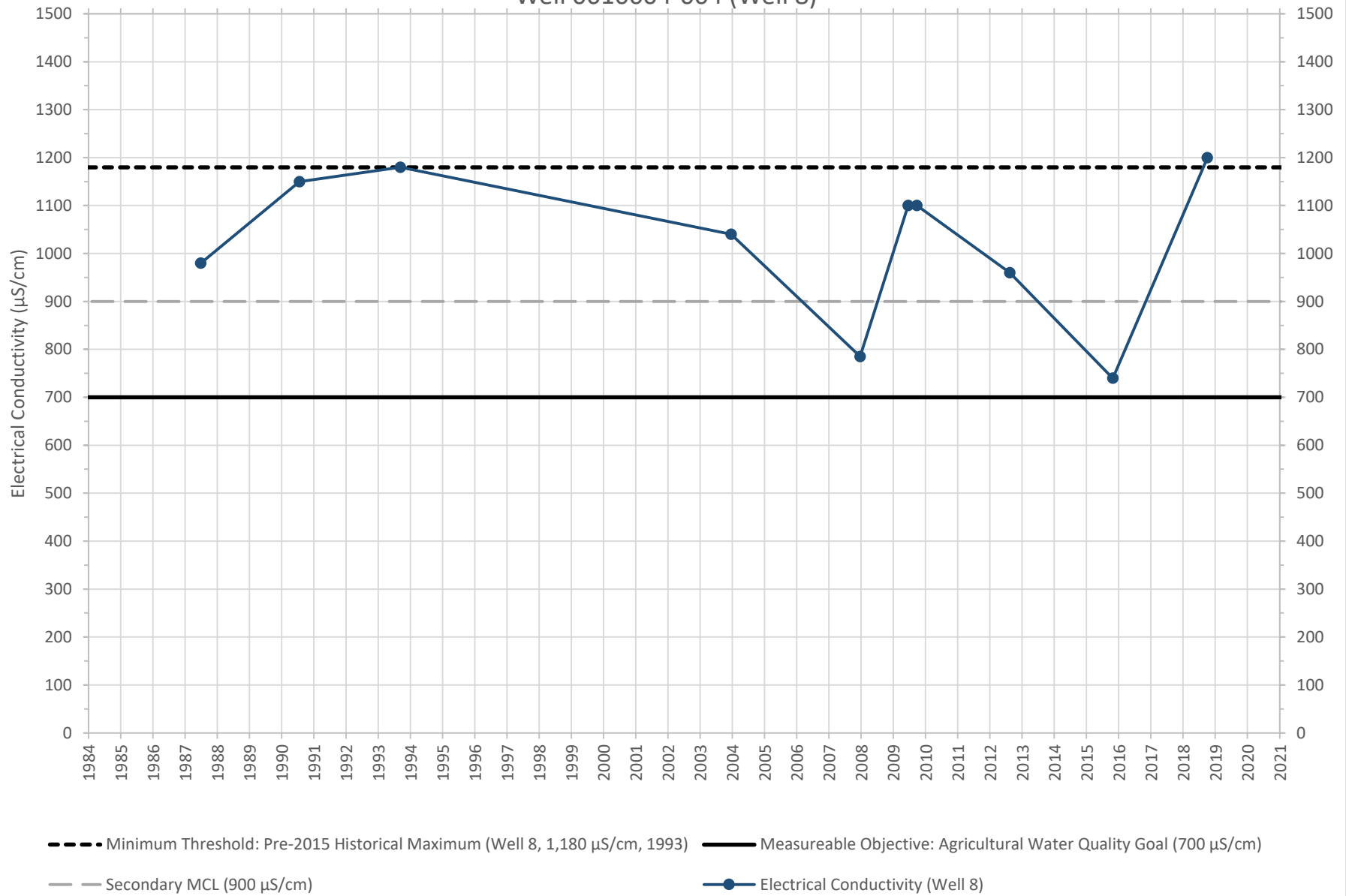


Figure 5C-10. Electrical Conductivity: Colusa County WWD #1 - Grimes  
Well 0600008-001 (Well 1)

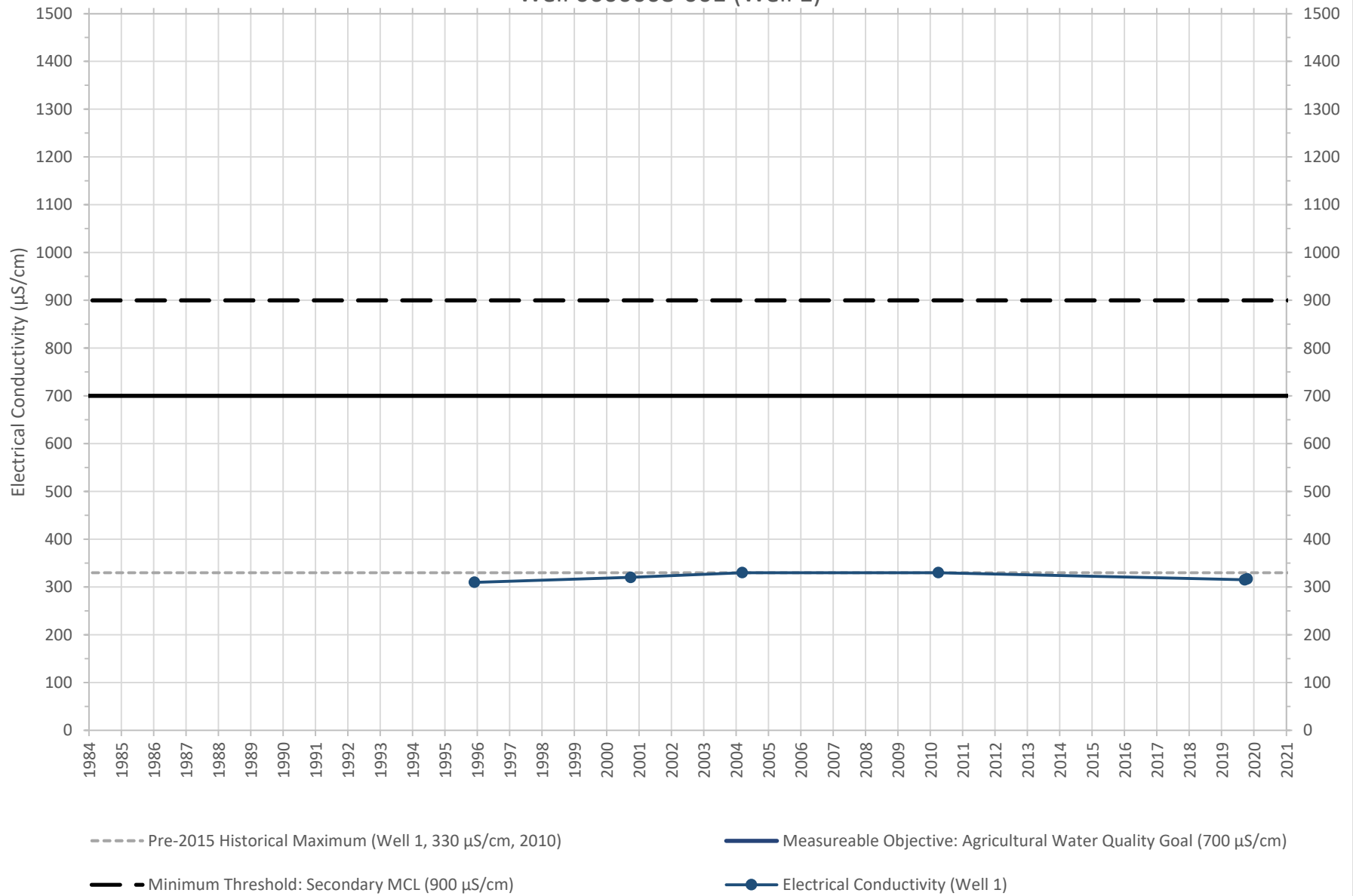


Figure 5C-11. Electrical Conductivity: Arbutle Public Utility District  
Well 0610001-004 (Well 3A)

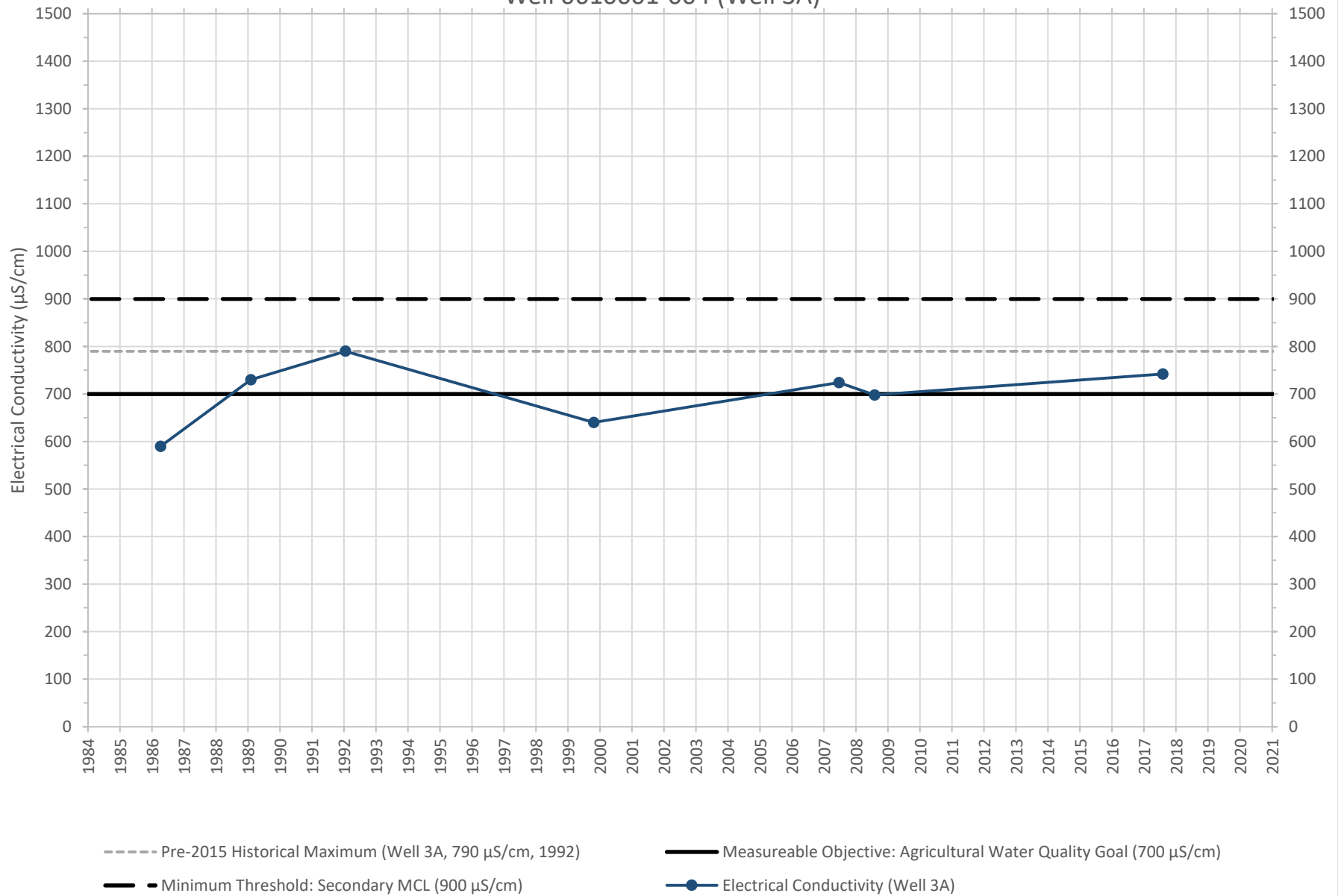


Figure 5C-12. Electrical Conductivity: Del Oro Water Company - Arbuckle District  
Well 0605011-001 (Well 1)

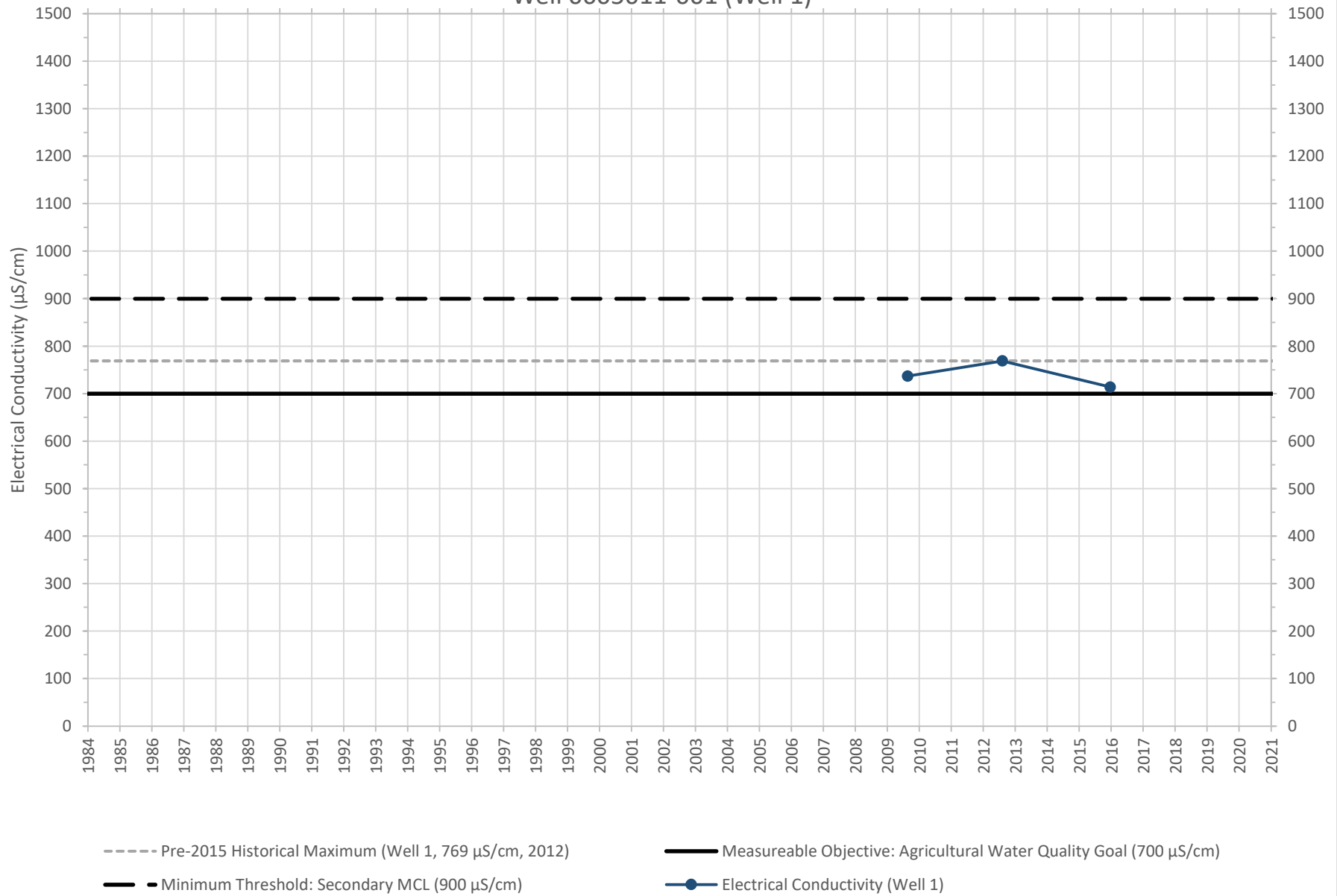
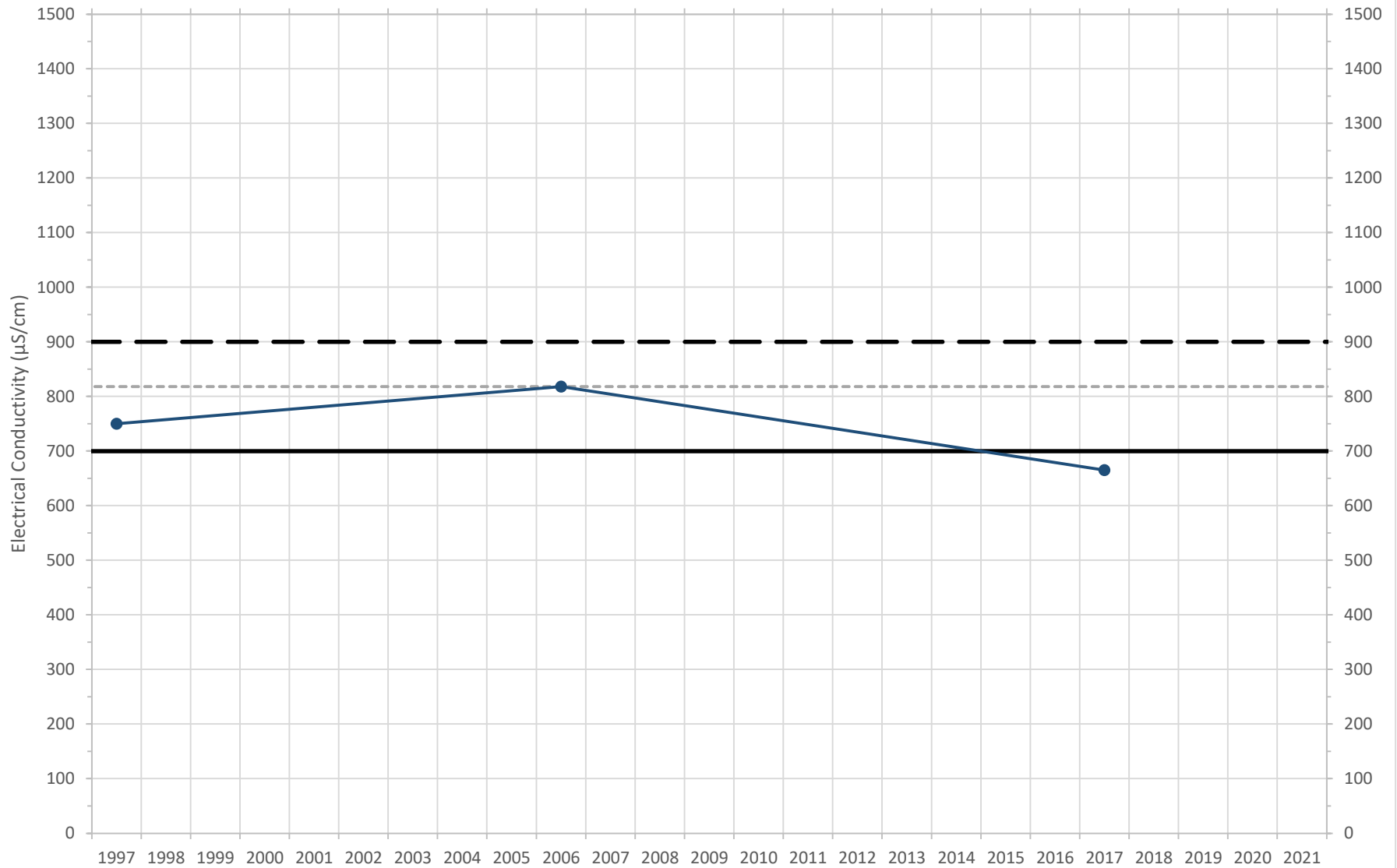


Figure 5C-13. Electrical Conductivity: CRC Well 25A1M (Screened Depth: 25-30 ft)



----- Pre-2015 Historical Maximum (818  $\mu\text{S}/\text{cm}$ , 2006)

--- Minimum Threshold: Secondary MCL (900  $\mu\text{S}/\text{cm}$ )

———— Measureable Objective: Agricultural Water Quality Goal (700  $\mu\text{S}/\text{cm}$ )

—●— Electrical Conductivity (Field Measurement)

Figure 5C-14. Electrical Conductivity: CRC Well 32J1M (Screened Depth: 25-30 ft)

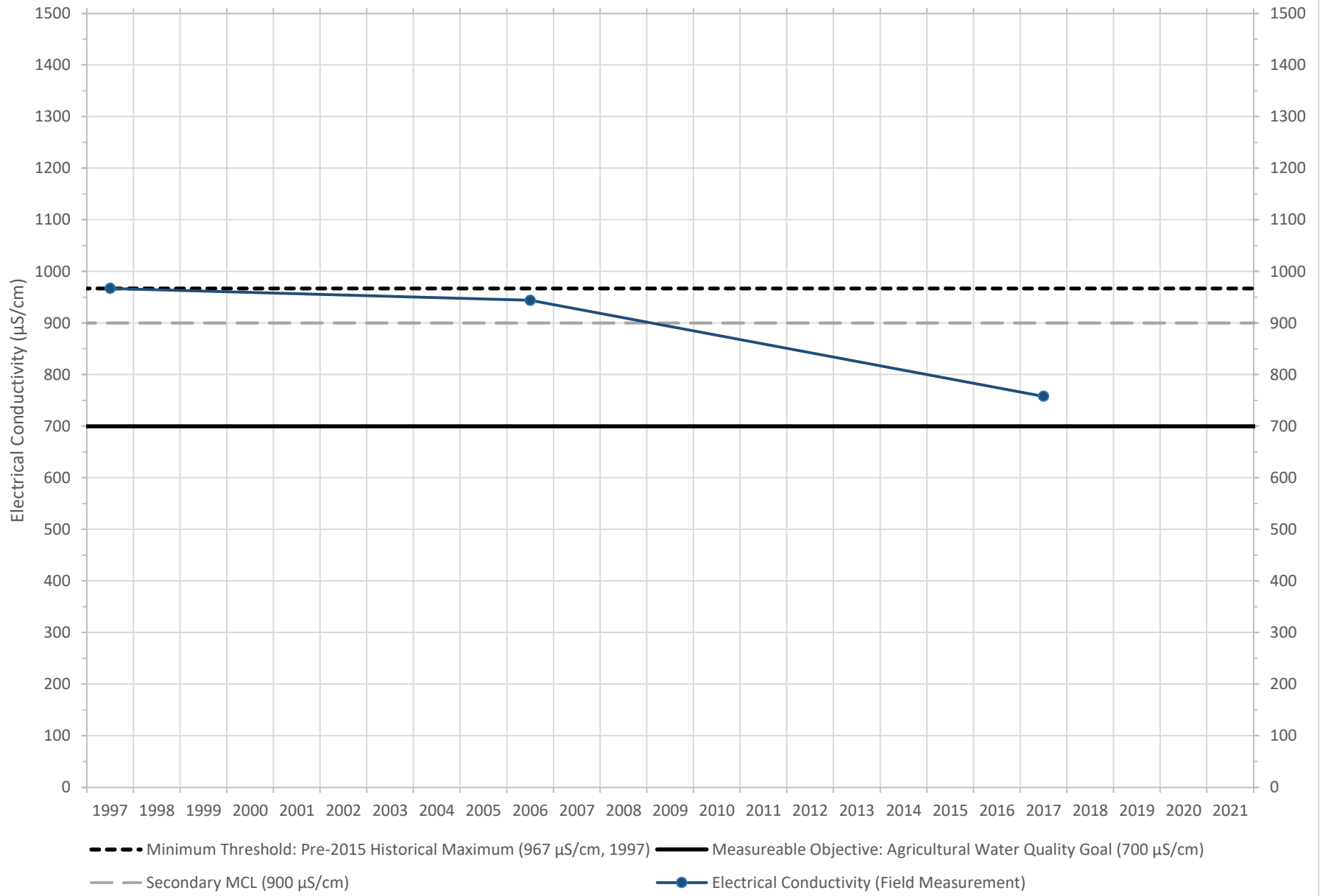
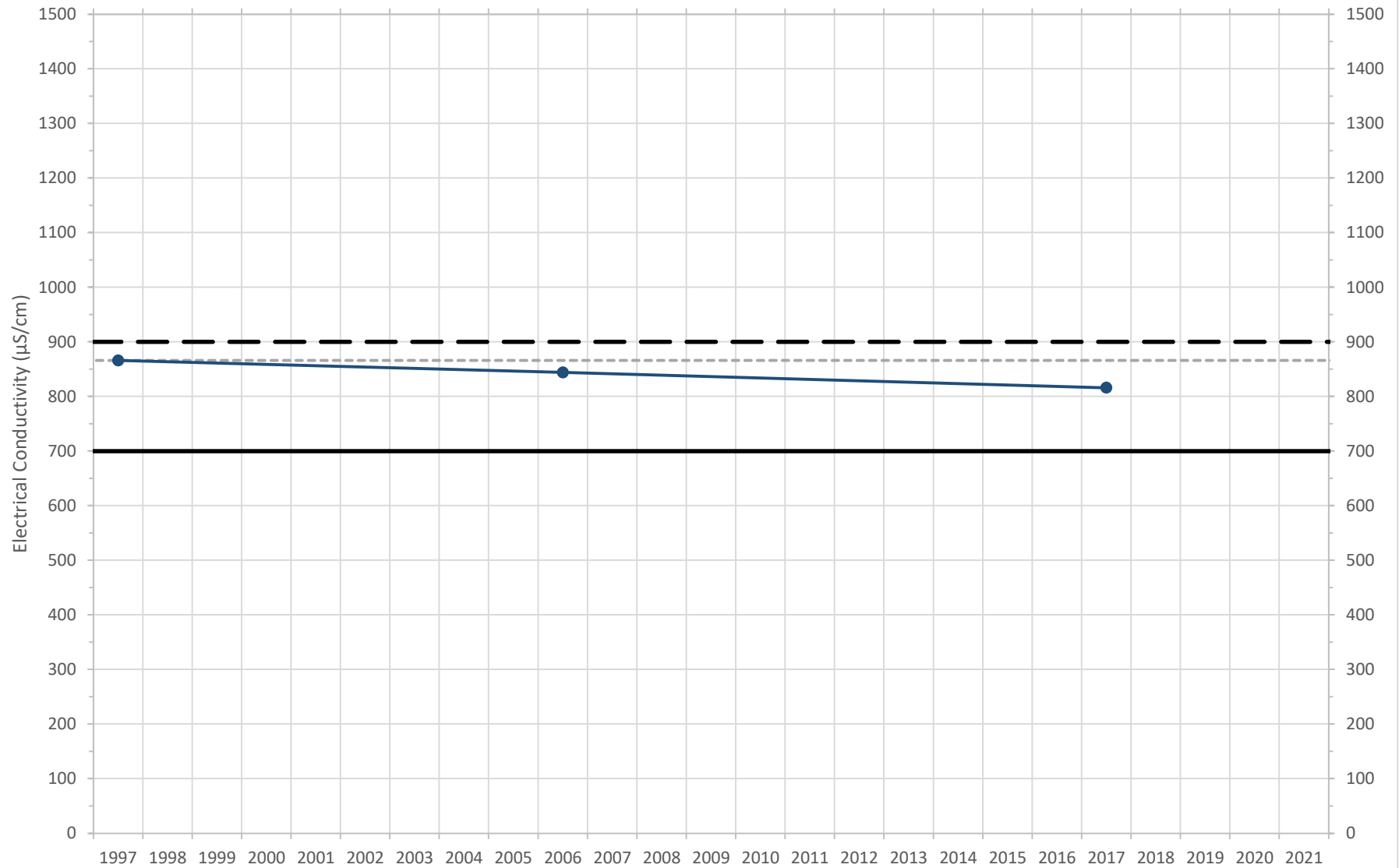


Figure 5C-15. Electrical Conductivity: CRC Well 23E1M (Screened Depth: 25.5-30.5 ft)



----- Pre-2015 Historical Maximum (866  $\mu\text{S}/\text{cm}$ , 1997)

--- Minimum Threshold: Secondary MCL (900  $\mu\text{S}/\text{cm}$ )

———— Measureable Objective: Agricultural Water Quality Goal (700  $\mu\text{S}/\text{cm}$ )

—●— Electrical Conductivity (Field Measurement)



Figure 5C-16. Electrical Conductivity: CRC Well 25E1M (Screened Depth: 25-30 ft)

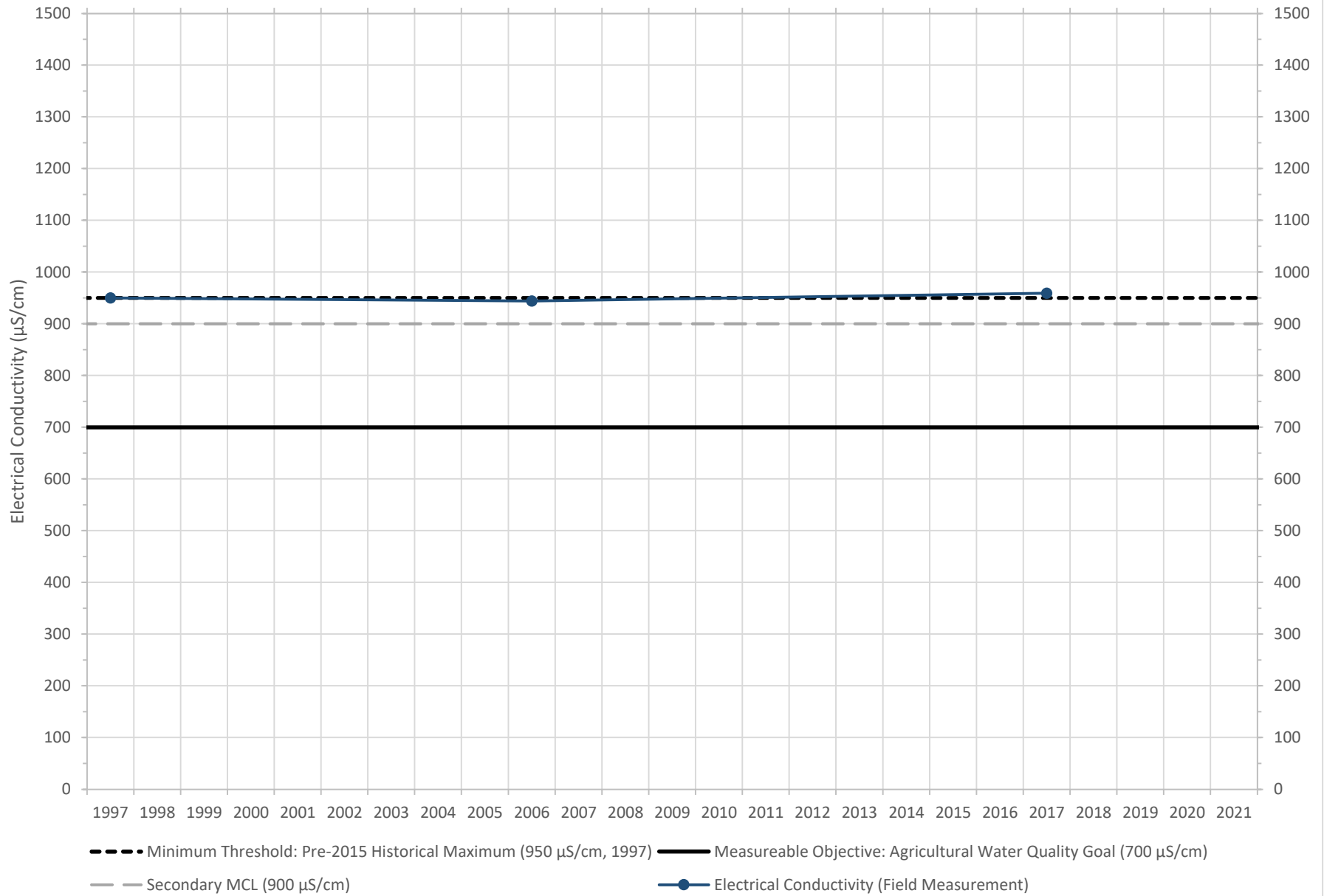


Figure 5C-17. Electrical Conductivity: CRC Well 25R1M (Screened Depth: 28.5-33.5 ft)

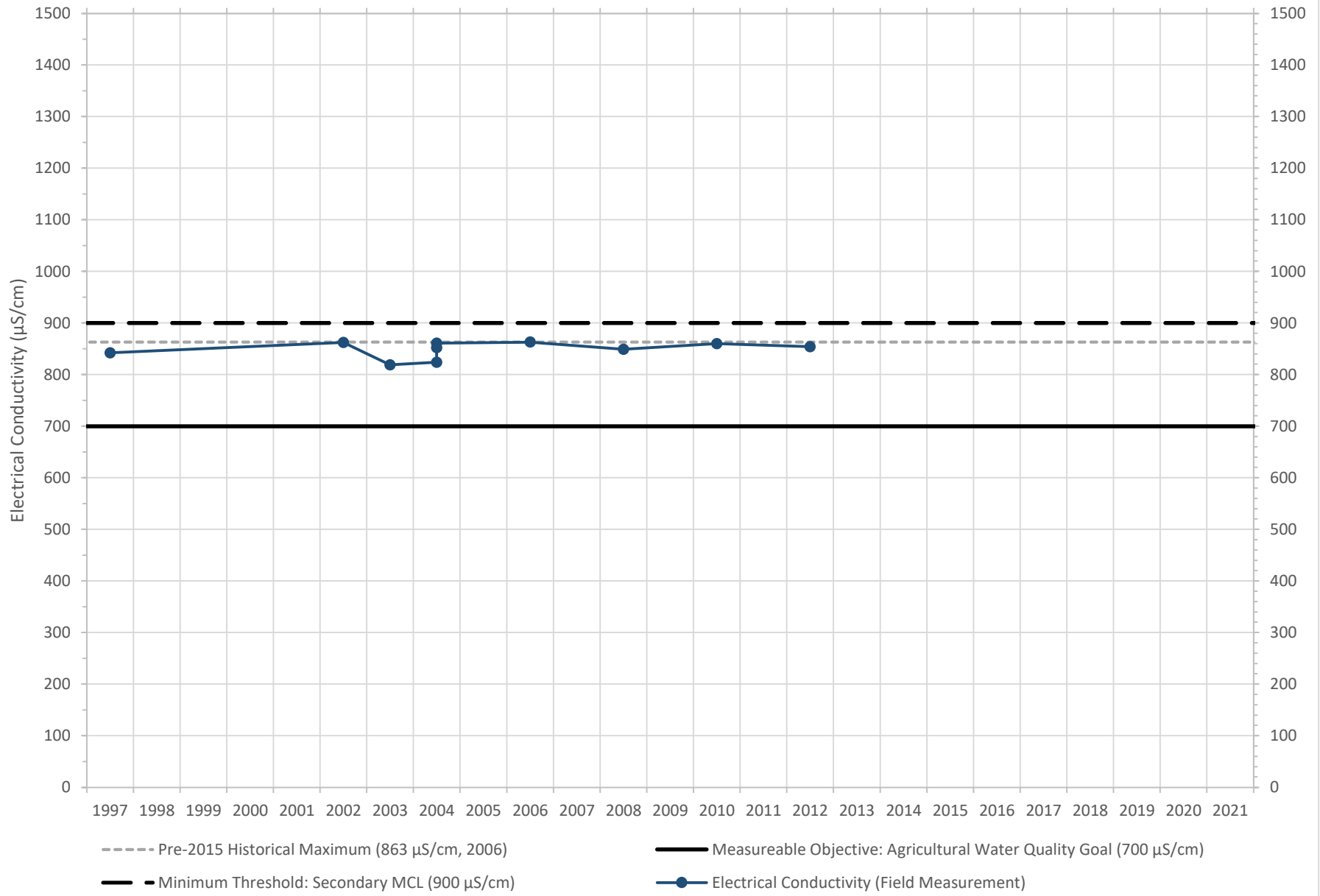


Figure 5C-18. Electrical Conductivity: CRC Well 12G2M (Screened Depth: 25-30 ft)

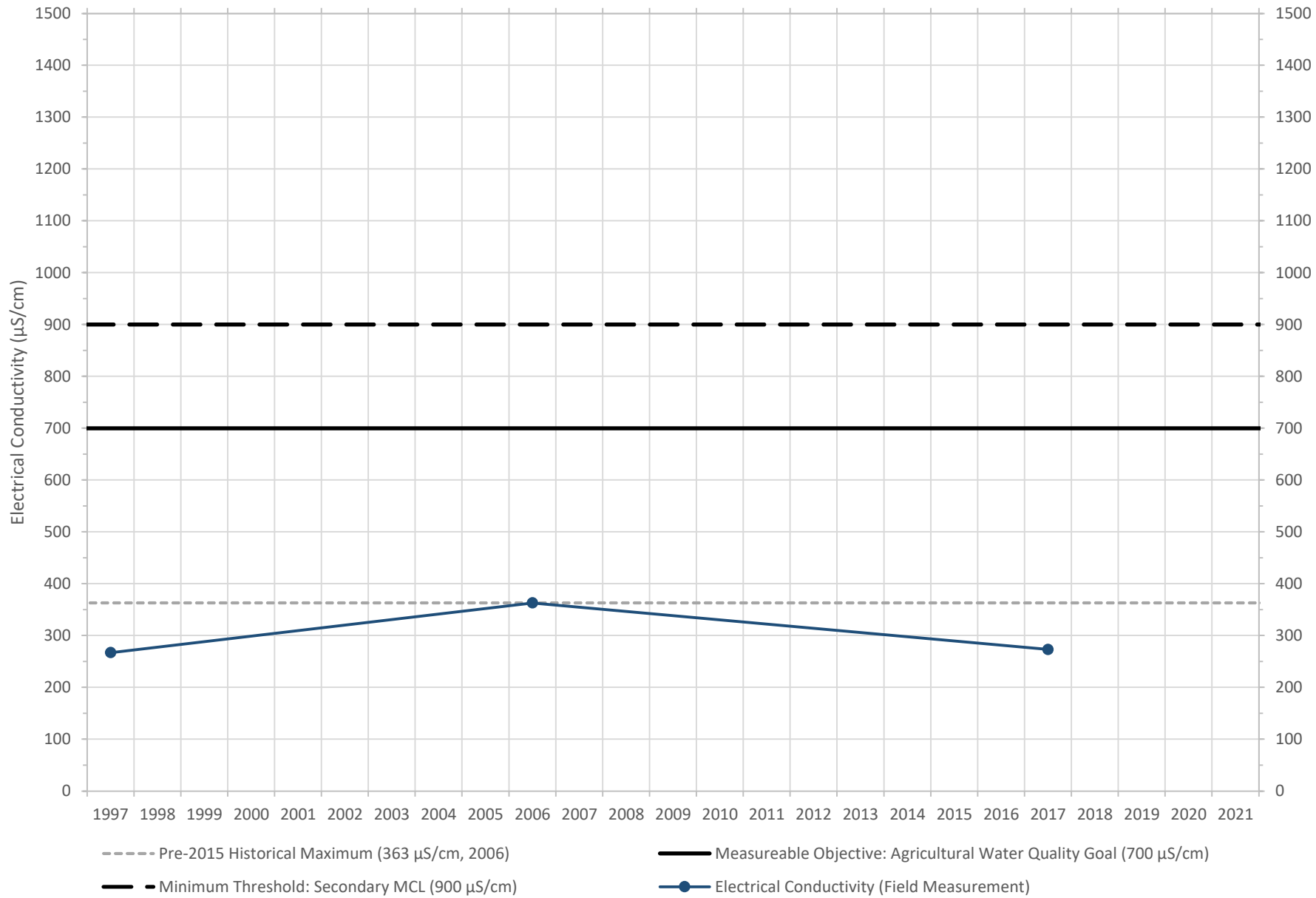


Figure 5C-19. Electrical Conductivity: CRC Well 14G1M (Screened Depth: 25-30 ft)

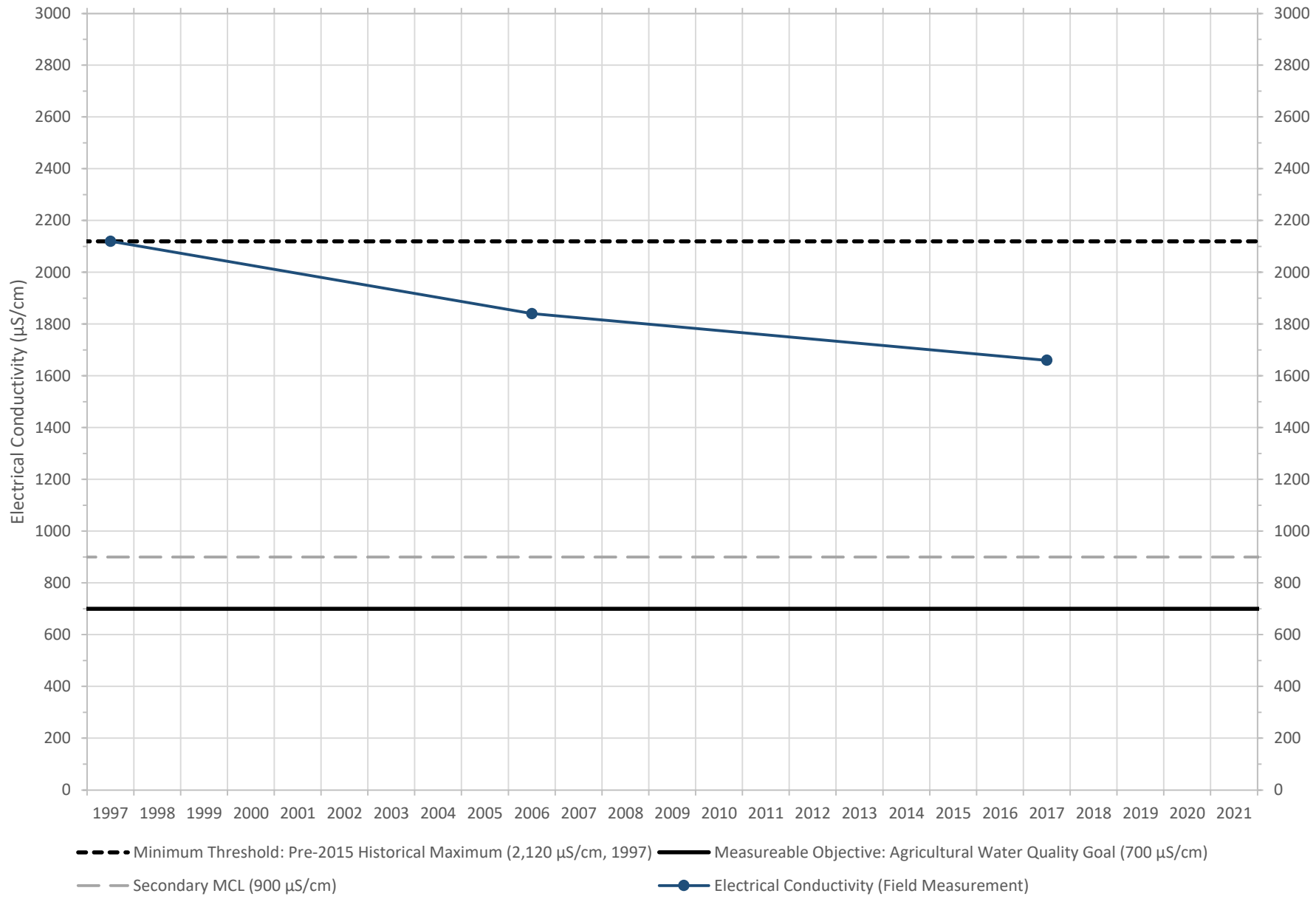


Figure 5C-20. Electrical Conductivity: CRC Well 35M1M (Screened Depth: 25-30 ft)

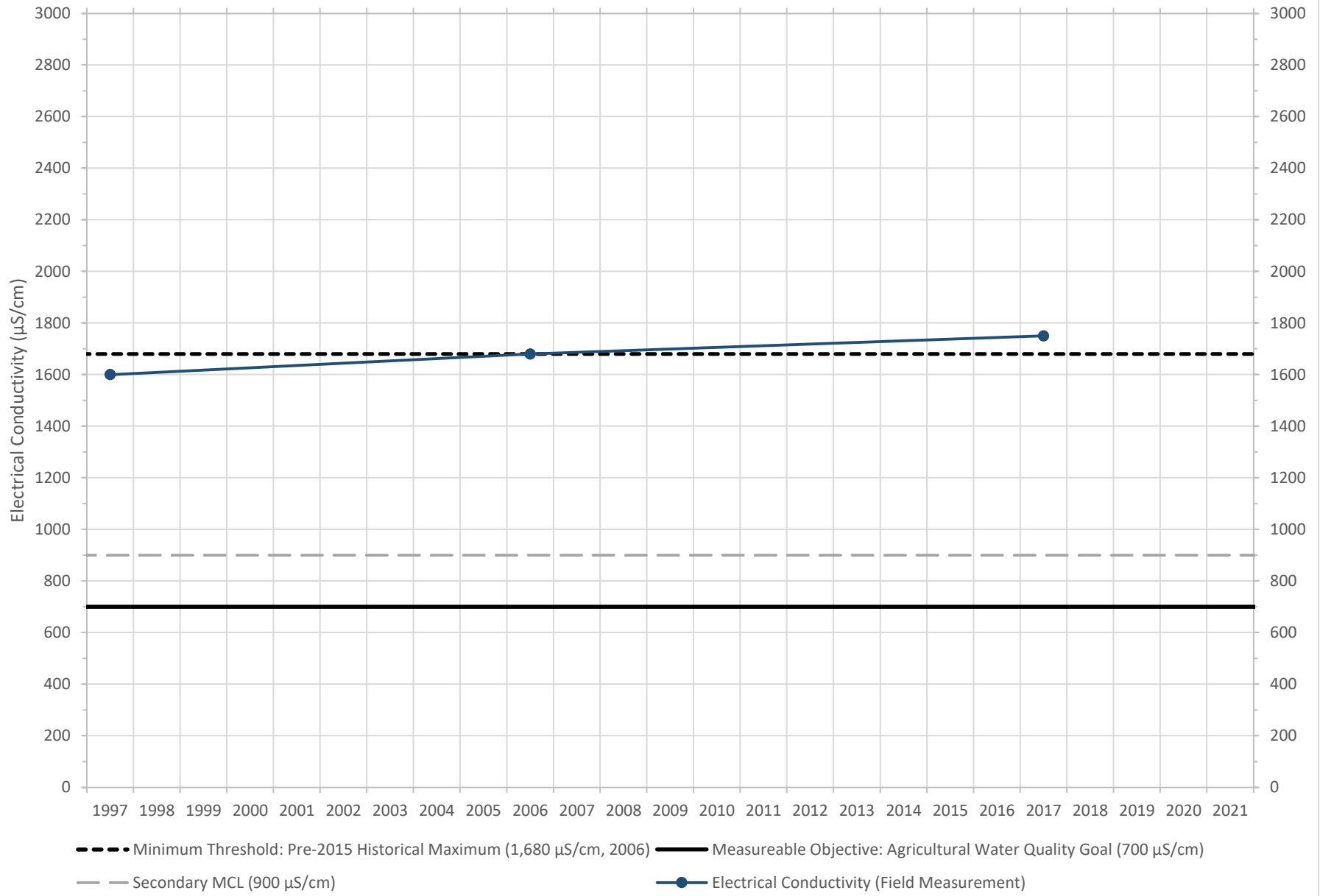


Figure 5C-21. Electrical Conductivity: CRC Well 03E1M (Screened Depth: 25-30 ft)

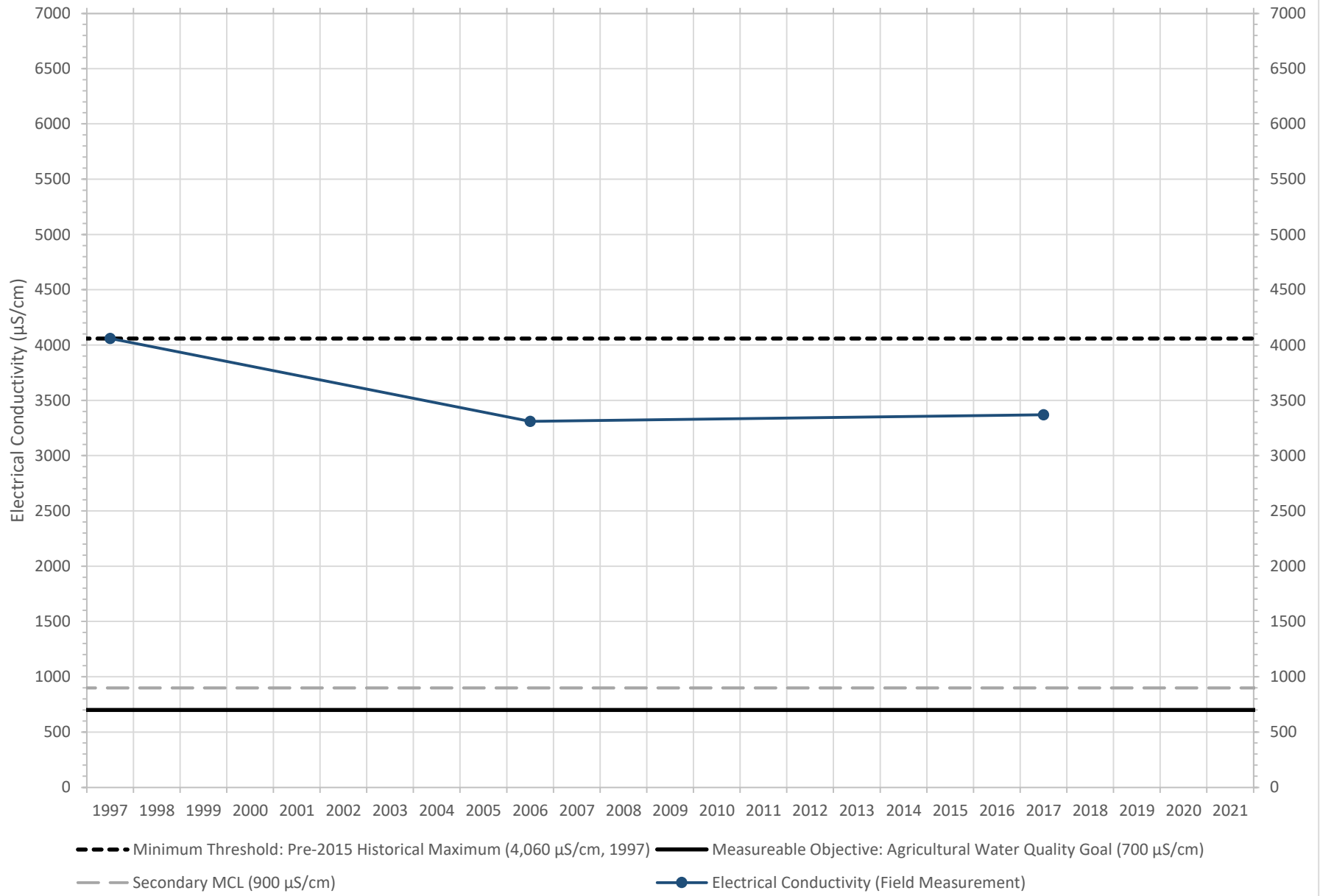


Figure 5C-22. Electrical Conductivity: CRC Well 16R1M (Screened Depth: 25-30 ft)

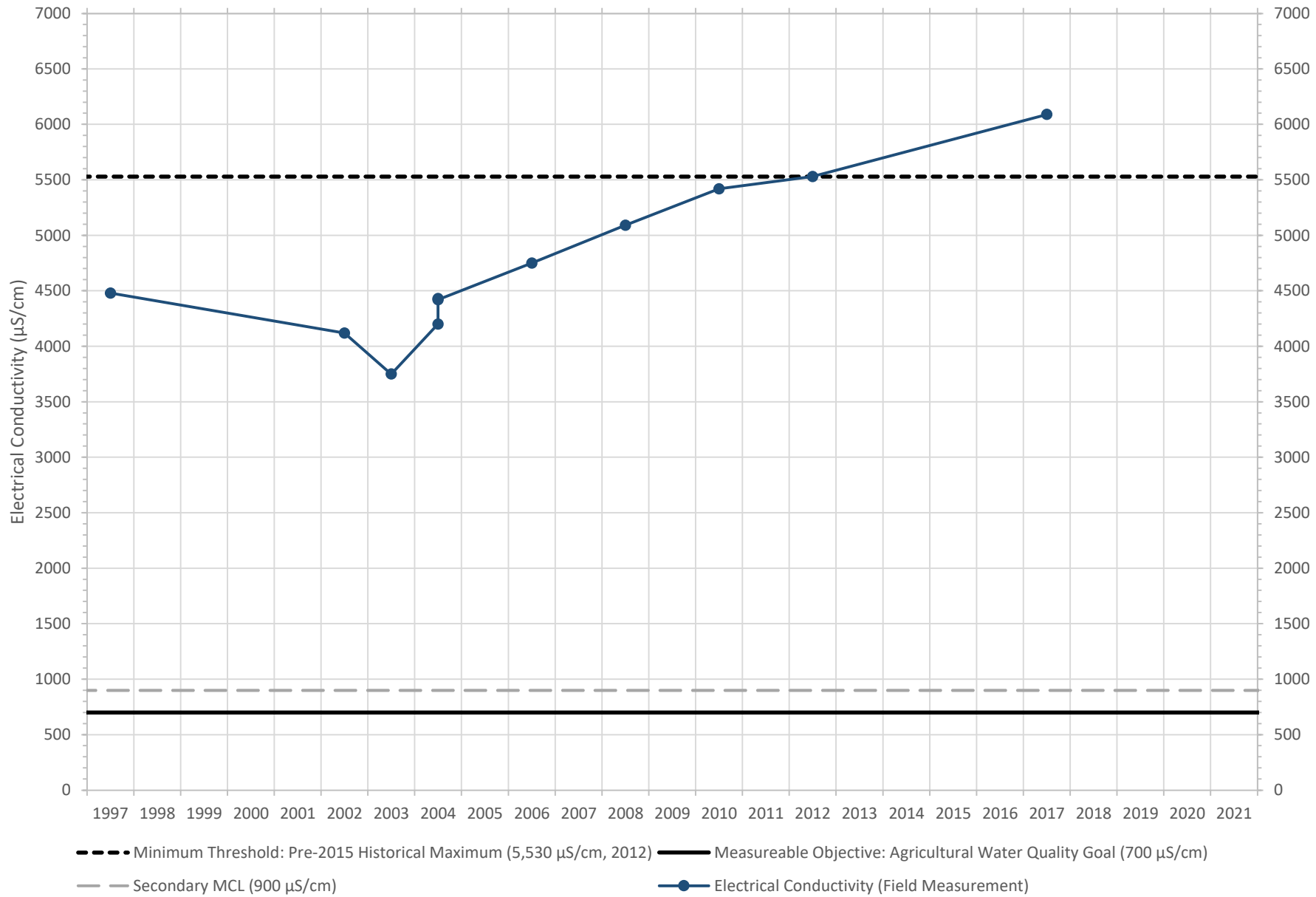


Figure 5C-23. Electrical Conductivity: SVWQC Well SVWQC00005 (Screened Depth: 145-225 ft)

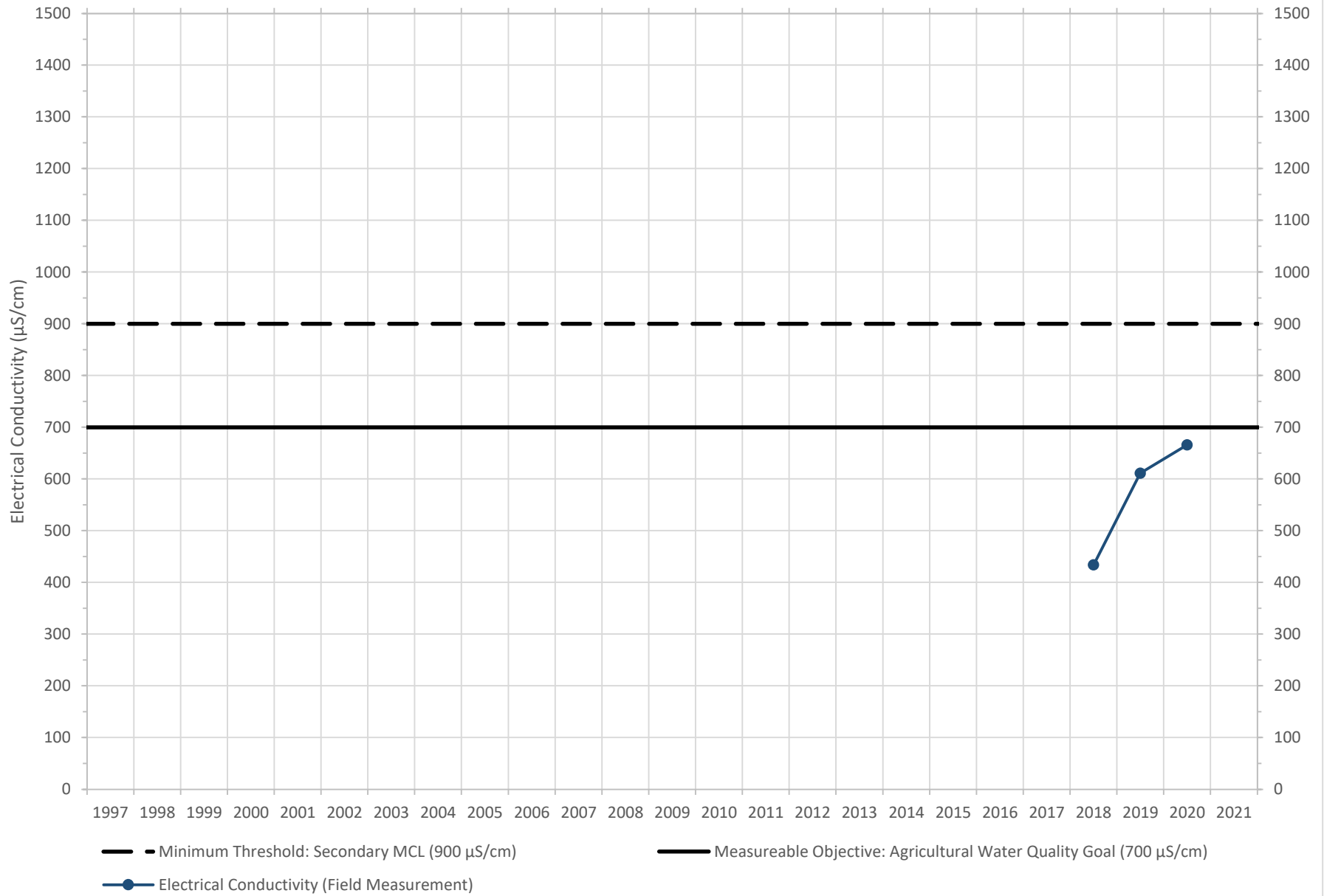




Figure 5C-24. Electrical Conductivity: SVWQC Well SVWQC00021 (Screened Depth: 90-120 ft)

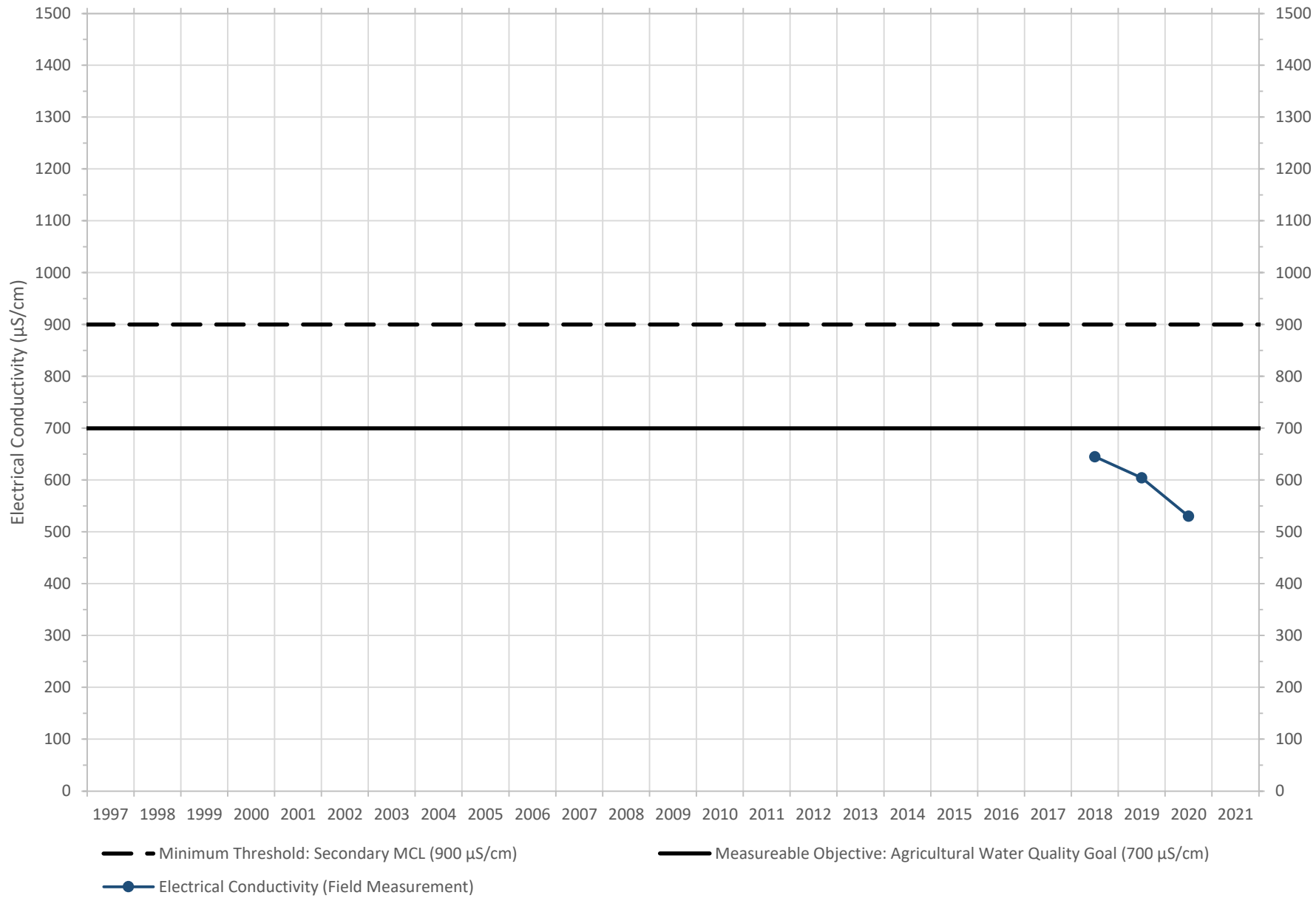


Figure 5C-25. Electrical Conductivity: SVWQC Well SVWQC00019 (Screened Depth: <126 ft)

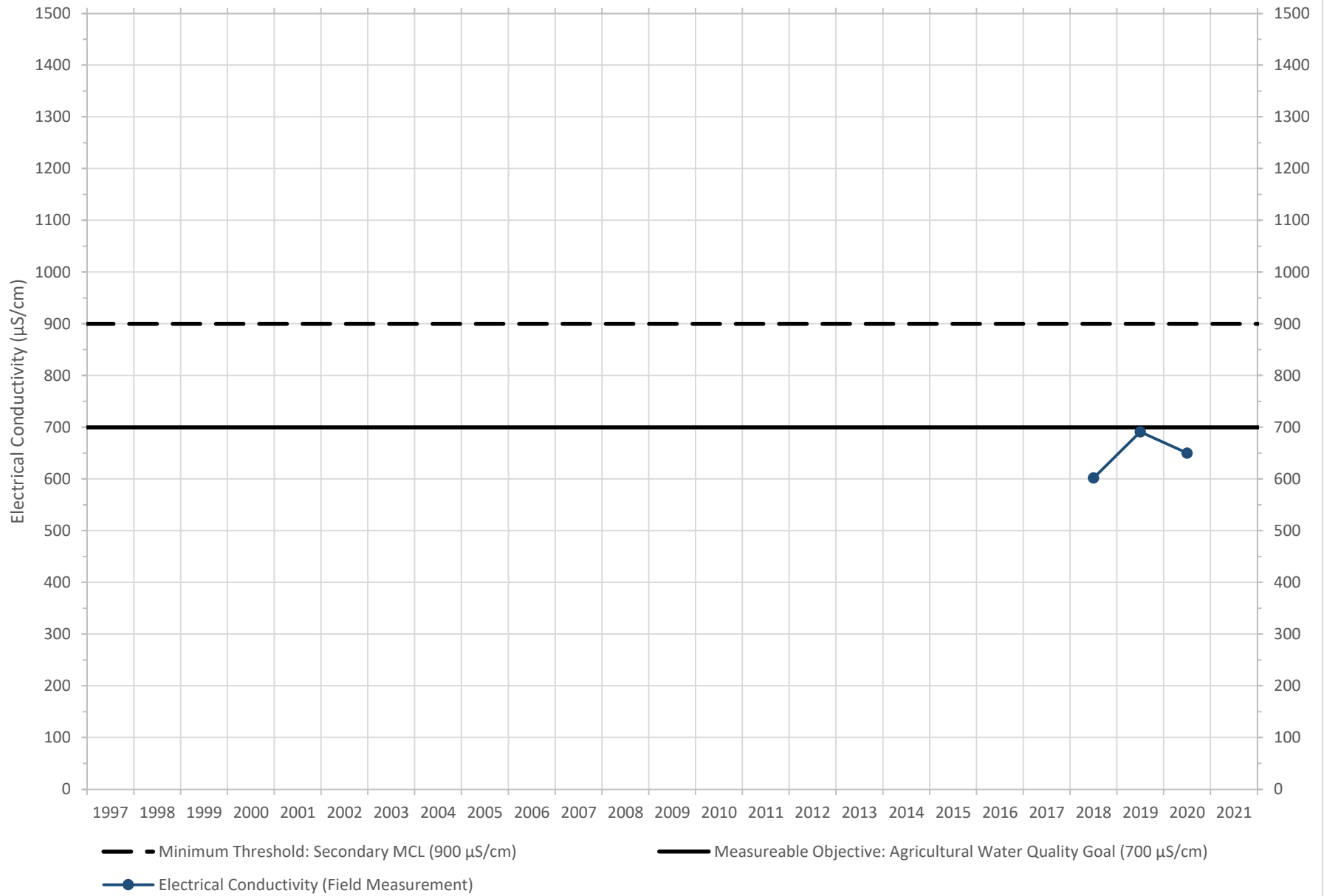


Figure 5C-26. Electrical Conductivity: SVWQC Well SVWQC00006 (Screened Depth: 180-260 ft)

